

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	13976	porous film or porous substrate or porous film substrate	US-PGPUB; USPAT	ADJ	ON	2005/08/02 08:24
L2	63	(cation\$6 polymeriz\$4 functional group) or (cation polymerizable functional group)	US-PGPUB; USPAT	ADJ	ON	2005/08/02 08:25
L3	80	(cation\$6 polymeriz\$4 functional group) or (cation polymerizable functional group) or (cation polymerizable monomer\$1)	US-PGPUB; USPAT	ADJ	ON	2005/08/02 08:25
L4	1	I1 same I3	US-PGPUB; USPAT	ADJ	ON	2005/08/02 08:02
L5	518	(cation\$6 polymeriz\$4 functional group) or (cation polymerizable functional group) or (cation polymerizable monomer\$1) or (crosslinking functional group)	US-PGPUB; USPAT	ADJ	ON	2005/08/02 08:04
L6	2	I1 same I5	US-PGPUB; USPAT	ADJ	ON	2005/08/02 08:04
L7	301056	porous film or porous substrate or porous film substrate or membrane or porous membrane	US-PGPUB; USPAT	ADJ	ON	2005/08/02 08:05
L8	10	I7 same I5	US-PGPUB; USPAT	ADJ	ON	2005/08/02 08:05
L9	10361	porous film or porous substrate or porous film substrate	EPO; JPO; DERWENT	ADJ	ON	2005/08/02 08:25
L10	34	(cation\$6 polymeriz\$4 functional group) or (cation polymerizable functional group)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/08/02 08:25
L11	92	(cation\$6 polymeriz\$4 functional group) or (cation polymerizable functional group) or (cation polymerizable monomer\$1)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/08/02 08:26
L12	3	I9 same I11	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/08/02 08:25
L13	489	(cation\$6 polymeriz\$4 functional group) or (cation polymerizable functional group) or (cation polymerizable monomer\$1) or (radiation curable monomer) or (radiation crosslink\$4 monomer)	US-PGPUB; USPAT	ADJ	ON	2005/08/02 08:27
L14	1	I1 same I13	US-PGPUB; USPAT	ADJ	ON	2005/08/02 08:27
L15	1	JP2002110245	JPO	ADJ	ON	2005/08/02 08:37
L16	1	JP2000303703	JPO	ADJ	ON	2005/08/02 08:37
S1	1	("20040157118").PN.	US-PGPUB	OR	OFF	2005/07/25 11:02

S2	35	(yamamichi yuji) or (morizumi hitoshi) or (takahata toshiharu) or (nishikawa takashi) or (bessho shinji) or (yano katsumi) or (fujishiro toshifumi) or (tsunosaki masahiro) or (terasawa takashi)	US-PGPUB; USPAT	ADJ	ON	2005/07/25 11:58
S3	16	(yamamichi yuji) or (morizumi hitoshi) or (takahata toshiharu) or (nishikawa takashi) or (bessho shinji) or (yano katsumi) or (fujishiro toshifumi) or (tsunosaki masahiro) or (terasawa takashi)	EPO; DERWENT	ADJ	ON	2005/07/25 11:56
S4	16	S2 or S3	EPO; DERWENT	ADJ	ON	2005/07/25 11:34
S5	1	S2 and battery	US-PGPUB; USPAT	ADJ	ON	2005/07/25 11:35
S6	483	(yamamichi yuji) or (morizumi hitoshi) or (takahata toshiharu) or (nishikawa takashi) or (bessho shinji) or (yano katsumi) or (fujishiro toshifumi) or (tsunosaki masahiro) or (terasawa takashi)	JPO; DERWENT	ADJ	ON	2005/07/25 11:54
S7	29	S6 and battery	JPO; DERWENT	ADJ	ON	2005/07/25 11:54
S8	40	(yamamichi near yuji) or (morizumi near hitoshi) or (takahata near toshiharu) or (nishikawa near takashi) or (bessho near shinji) or (yano near katsumi) or (fujishiro near toshifumi) or (tsunosaki near masahiro) or (terasawa near takashi)	US-PGPUB; USPAT	ADJ	ON	2005/07/25 11:59
S9	1	S8 and batter\$3	US-PGPUB; USPAT	ADJ	ON	2005/07/25 11:59
S10	102	(yoshihiro near uetani) or (keisuke near kii) or (satoshi near nishikawa)	US-PGPUB; USPAT	ADJ	ON	2005/07/25 13:11
S11	1419	(NITTO near DENKO near CORPORATION)	US-PGPUB; USPAT	ADJ	ON	2005/07/25 13:34
S12	53	S11 and (batter\$3 or battery separator)	US-PGPUB; USPAT	ADJ	ON	2005/07/25 13:35
S13	1	S12 and (oxetanyl or oxetane or oxytane)	US-PGPUB; USPAT	ADJ	ON	2005/07/25 13:35
S14	0	(sunstar near eng\$7 near inc)	US-PGPUB; USPAT	ADJ	ON	2005/07/25 13:37
S15	0	(sunstar near eng near inc)	US-PGPUB; USPAT	ADJ	ON	2005/07/25 13:37
S16	402	(sunstar near eng near inc)	JPO	ADJ	ON	2005/07/25 13:37
S17	0	(sunstar near eng near inc)	EPO	ADJ	ON	2005/07/25 13:37

S18	25	(maxell near hokuriku near seiki near kk) or (sunstar near eng near inc) or (toyama near prefecture)	US-PGPUB; USPAT	ADJ	ON	2005/07/25 14:11
S19	562	(maxell near hokuriku near seiki near kk) or (sunstar near eng near inc) or (toyama near prefecture)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/07/25 14:12
S20	20	S19 and (batteries or battery or battery separator\$1)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/07/25 14:12
S21	2	S20 and (oxcetane or oxetane or oxetanyl)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/07/25 14:12
S22	1	2001-565090.NRAN.	DERWENT	ADJ	ON	2005/07/25 14:14
S23	25904	porous film or porous substrate or porous layer or porous sheet	US-PGPUB; USPAT	ADJ	ON	2005/07/25 14:30
S24	0	(S3 near1 oxetanyl group) or (S3 near1 oxetanyl) or (S3 near1 oxetane)	US-PGPUB; USPAT	ADJ	ON	2005/07/25 14:33
S25	6	(3-oxetanyl group) or (S3 -oxetanyl) or (3-oxetane)	US-PGPUB; USPAT	ADJ	ON	2005/07/25 14:33
S26	4	3-oxetanylmethyl (meth) acrylate	US-PGPUB; USPAT	ADJ	ON	2005/07/25 14:35
S27	9	(3-oxetanyl group) or (S3 -oxetanyl) or (3-oxetane) or (3-oxetanylmethyl(meth)acrylate) or (3-methyl-3-oxetanylmethyl(meth)acrylate) or (3-ethyl-3-oxetanylmethyl(meth)acrylate) or (3-butyl-3-oxetanylmethyl(meth)acrylate) or (3-hexyl-3-oxetanylmethyl(meth)acrylate)	US-PGPUB; USPAT	ADJ	ON	2005/07/25 16:05
S28	0	S26 NOT S27	US-PGPUB; USPAT	ADJ	ON	2005/07/25 14:38
S29	8	(3-oxetanyl group) or (S3 -oxetanyl) or (3-oxetane) or (3-oxetanylmethyl(meth)acrylate) or (3-methyl-3-oxetanylmethyl(meth)acrylate) or (3-ethyl-3-oxetanylmethyl(meth)acrylate) or (3-butyl-3-oxetanylmethyl(meth)acrylate) or (3-hexyl-3-oxetanylmethyl(meth)acrylate)	USOCR	ADJ	ON	2005/07/25 14:39

S30	3	(3-oxetanyl group) or (S3-oxetanyl) or (3-oxetane) or (3-oxetanylmethyl(meth)acrylate) or (3-methyl-3-oxetanylmethyl(meth)acrylate) or (3-ethyl-3-oxetanylmethyl(meth)acrylate) or (3-butyl-3-oxetanylmethyl(meth)acrylate) or (3-hexyl-3-oxetanylmethyl(meth)acrylate)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/07/25 14:43
S31	76	(3-oxetanyl group) or (S3-oxetanyl) or (3-oxetane) or (3-oxetanylmethyl(meth)acrylate) or (3-methyl-3-oxetanylmethyl(meth)acrylate) or (3-ethyl-3-oxetanylmethyl(meth)acrylate) or (3-butyl-3-oxetanylmethyl(meth)acrylate) or (3-hexyl-3-oxetanylmethyl(meth)acrylate) or (oxetayl or oxetane)	US-PGPUB; USPAT	ADJ	ON	2005/08/01 08:23
S32	1802	oxetanyl	US-PGPUB; USPAT	ADJ	ON	2005/07/25 15:15
S33	23	S32 and battery	US-PGPUB; USPAT	ADJ	ON	2005/07/25 15:14
S34	9	(3-oxetanyl group) or (S3-oxetanyl) or (3-oxetane) or (3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-ethyl-3-oxetanylmethyl (meth)acrylate) or (3-butyl-3-oxetanylmethyl (meth)acrylate) or (3-hexyl-3-oxetanylmethyl (meth)acrylate)	US-PGPUB; USPAT	ADJ	ON	2005/07/25 16:18

S35	98	((("6299653") or ("6306545") or ("6461772") or ("6433098") or ("4309494") or ("5474863") or ("5759711") or ("5907899") or ("6148503") or ("6268081") or ("6306541") or ("6335114") or ("6350541") or ("6576371") or ("5414025") or ("5194180") or ("5565284") or ("6162563") or ("6180287") or ("6201071") or ("6239204") or ("4988608") or ("5272021") or ("5429891") or ("5837157") or ("6190804") or ("6280881") or ("6287723") or ("6322924") or ("6395429") or ("6406817") or ("6413486") or ("6447952") or ("6677084") or ("6686095") or ("4345053") or ("4486549") or ("5200554") or ("5300604") or ("4247648") or ("4871461") or ("4942205") or ("5017668") or ("5286450") or ("5356936") or ("5360878") or ("5672782") or ("5783209") or ("5897673") or ("5973014").pn.") or ("5997791") or ("4140653") or ("4298700") or ("4326958") or ("4337154") or ("4367313") or ("4396681") or ("4415631") or ("4435524") or ("4443366") or ("4495250") or ("4543363") or ("4584103") or ("4611014") or ("4612334") or ("4758342") or ("4765898") or ("4778596") or ("4824573") or ("4824916") or ("4861628") or ("4863801") or ("4873033") or ("4882057") or ("4889632") or ("4889636") or ("4895660") or ("4895685") or ("4920451") or ("4923610") or ("4940578") or ("4941972") or ("4950314") or ("4952349") or ("4963266") or ("4973683") or ("5019603") or ("5024765") or ("5179136") or ("5203991") or ("5254634") or ("5298258") or ("5302633") or ("5348652") or ("5369133") or ("5386874") or ("5429931") or ("5492971") or ("5502082") or ("5541266").pn.)). PN.	USPAT	OR	OFF	2005/07/25 16:05
S36	1	S35 and oxetanyl	US-PGPUB; USPAT	ADJ	ON	2005/07/25 16:06
S37	251	3,4-epoxycyclohexylmethyl (meth)acrylate	US-PGPUB; USPAT	ADJ	ON	2005/07/25 16:15

S38	4750	glycidyl (meth)acrylate	US-PGPUB; USPAT	ADJ	ON	2005/07/25 16:16
S39	4780	S37 or S38	US-PGPUB; USPAT	ADJ	ON	2005/07/25 16:17
S40	111	S39 and (battery or battery separator)	US-PGPUB; USPAT	ADJ	ON	2005/07/25 16:28
S41	184	3-oxetanyl group or 3oxetanyl or 3-oxetanyl	US-PGPUB; USPAT	ADJ	ON	2005/08/01 09:07
S42	187	(3-oxetanyl group) or (3oxetanyl) or (3-oxetanyl) or (3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-ethyl-3-oxetanylmethyl (meth)acrylate) or (3-butyl-3-oxetanylmethyl (meth)acrylate) or (3-hexyl-3-oxetanylmethyl (meth)acrylate)	US-PGPUB; USPAT	ADJ	ON	2005/08/01 09:26
S43	41	(3-oxetanyl group) or (3oxetanyl) or (3-oxetanyl) or (3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-ethyl-3-oxetanylmethyl (meth)acrylate) or (3-butyl-3-oxetanylmethyl (meth)acrylate) or (3-hexyl-3-oxetanylmethyl (meth)acrylate)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/08/01 14:30
S44	44	(3-oxetanyl group) or (3oxetanyl) or (3-oxetanyl) or (3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-ethyl-3-oxetanylmethyl (meth)acrylate) or (3-butyl-3-oxetanylmethyl (meth)acrylate) or (3-hexyl-3-oxetanylmethyl (meth)acrylate)	USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/08/01 13:08

S45	3	(3-oxetanyl group) or (3oxetanyl) or (3-oxetanyl) or (3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-ethyl-3-oxetanylmethyl (meth)acrylate) or (3-butyl-3-oxetanylmethyl (meth)acrylate) or (3-hexyl-3-oxetanylmethyl (meth)acrylate)	USOCR	ADJ	ON	2005/08/01 09:49
S46	255	(3,4-epoxycyclohexylmethyl (meth)acrylate) or (glycidyl (meth)acrylate)	US-PGPUB; USPAT	ADJ	ON	2005/08/01 10:30
S47	7	S46 and (battery or battery separator)	US-PGPUB; USPAT	ADJ	ON	2005/08/01 10:04
S48	248	S46 not S47	US-PGPUB; USPAT	ADJ	ON	2005/08/01 10:20
S49	4793	(3,4-epoxycyclohexylmethyl (meth)acrylate) or (glycidyl (meth)acrylate)	US-PGPUB; USPAT	ADJ	ON	2005/08/01 10:30
S50	111	S49 and (battery or battery separator or (separator adj1 battery))	US-PGPUB; USPAT	ADJ	ON	2005/08/01 10:31
S51	357109	429\$.ccls. or "205"/\$.ccls. or "252"/\$.ccls. or "528"/\$.ccls. or "521"/\$.ccls. or "428"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2005/08/01 13:19
S52	12	((3-oxetanyl group) or (3oxetanyl) or (3-oxetanyl) or (3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-ethyl-3-oxetanylmethyl (meth)acrylate) or (3-butyl-3-oxetanylmethyl (meth)acrylate) or (3-hexyl-3-oxetanylmethyl (meth)acrylate)) and S51	US-PGPUB; USPAT	ADJ	ON	2005/08/01 13:37
S53	85	S46 and S51	US-PGPUB; USPAT	ADJ	ON	2005/08/01 13:39
S54	1014	(NITTO DENKO CORP\$7).as.	US-PGPUB; USPAT	ADJ	ON	2005/08/01 14:18
S55	330	S54 and (battery or battery separator or separator)	US-PGPUB; USPAT	ADJ	ON	2005/08/01 14:01

S56	1	((3-oxetanyl group) or (3oxetanyl) or (3-oxetanyl) or (3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-ethyl-3-oxetanylmethyl (meth)acrylate) or (3-butyl-3-oxetanylmethyl (meth)acrylate) or (3-hexyl-3-oxetanylmethyl (meth)acrylate)) and (S54 or S55)	US-PGPUB; USPAT	ADJ	ON	2005/08/01 14:30
S57	2	((3,4-epoxycyclohexylmethyl (meth)acrylate) or (glycidyl (meth)acrylate)) and (S54 or S55)	US-PGPUB; USPAT	ADJ	ON	2005/08/01 14:03
S58	0	(NITTO DENKO CORP\$7).as.	USOCR	ADJ	ON	2005/08/01 14:18
S59	17787	(NITTO DENKO CORP\$7).as.	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/08/01 14:18
S60	0	((3-oxetanyl group) or (3oxetanyl) or (3-oxetanyl) or (3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-ethyl-3-oxetanylmethyl (meth)acrylate) or (3-butyl-3-oxetanylmethyl (meth)acrylate) or (3-hexyl-3-oxetanylmethyl (meth)acrylate)) and (S59)	US-PGPUB; USPAT	ADJ	ON	2005/08/01 14:19
S61	2	((3-oxetanyl group) or (3oxetanyl) or (3-oxetanyl) or (3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-ethyl-3-oxetanylmethyl (meth)acrylate) or (3-butyl-3-oxetanylmethyl (meth)acrylate) or (3-hexyl-3-oxetanylmethyl (meth)acrylate)) and (S59)	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/08/01 14:19
S62	27	(SUNSTAR ENGINEERING INC).as.	US-PGPUB; USPAT	ADJ	ON	2005/08/01 14:24
S63	0	(SUNSTAR ENGINEERING INC).as.	USOCR	ADJ	ON	2005/08/01 14:24
S64	67	(SUNSTAR ENGINEERING INC).as.	EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/08/01 14:24



S65	1539	((porous film) or (battery separator)) same (electrode\$1)	US-PGPUB; USPAT	ADJ	ON	2005/08/01 15:42
S66	3435	(3-oxetanyl group) or (3oxetanyl) or (3-oxetanyl) or (3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-ethyl-3-oxetanylmethyl (meth)acrylate) or (3-butyl-3-oxetanylmethyl (meth)acrylate) or (3-hexyl-3-oxetanylmethyl (meth)acrylate) or (oxetane) or (3-oxetane) and S65	US-PGPUB; USPAT	ADJ	ON	2005/08/01 15:35
S67	3435	(3-oxetanyl group) or (3oxetanyl) or (3-oxetanyl) or (3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-ethyl-3-oxetanylmethyl (meth)acrylate) or (3-butyl-3-oxetanylmethyl (meth)acrylate) or (3-hexyl-3-oxetanylmethyl (meth)acrylate) or (oxetane) or (3-oxetane) and (S65)	US-PGPUB; USPAT	ADJ	ON	2005/08/01 15:45
S68	0	((3-oxetanyl) or (3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-ethyl-3-oxetanylmethyl (meth)acrylate) or (3-butyl-3-oxetanylmethyl (meth)acrylate) or (3-hexyl-3-oxetanylmethyl (meth)acrylate) or (oxetane) or (3-oxetane) or (epoxy group) or (epoxy) or (3, 4-epoxycyclohexylmethyl (meth)acrylate) or (glycidyl (meth)acrylate)) same (cationic polmer\$7)	US-PGPUB; USPAT	ADJ	ON	2005/08/01 15:48

S69	0	((3-oxetanyl) or (3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-ethyl-3-oxetanylmethyl (meth)acrylate) or (3-butyl-3-oxetanylmethyl (meth)acrylate) or (3-hexyl-3-oxetanylmethyl (meth)acrylate) or (oxetane) or (3-oxetane) or (epoxy group) or (epoxy) or (3, 4-epoxycyclohexylmethyl (meth)acrylate) or (glycidyl (meth)acrylate)) and (cationic polymer\$7)	US-PGPUB; USPAT	ADJ	ON	2005/08/01 15:48
S70	1587	((3-oxetanyl) or (3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-methyl-3-oxetanylmethyl (meth)acrylate) or (3-ethyl-3-oxetanylmethyl (meth)acrylate) or (3-butyl-3-oxetanylmethyl (meth)acrylate) or (3-hexyl-3-oxetanylmethyl (meth)acrylate) or (oxetane) or (3-oxetane) or (epoxy group) or (epoxy) or (3, 4-epoxycyclohexylmethyl (meth)acrylate) or (glycidyl (meth)acrylate)) same (cationic polymer\$7)	US-PGPUB; USPAT	ADJ	ON	2005/08/01 15:49
S71	71	S70 and (battery or separator or battery separator)	US-PGPUB; USPAT	ADJ	ON	2005/08/01 15:49